



The Main Points

When asked “So what’s up with the new MV-8000?” Here are the opening points to hit -

The MV-8000 has:

- Integrated Sampling, MIDI Sequencing, and Audio Recording
- 2 Samplers In One
- High Quality Pads and Easy Interface
- Effects, Mastering, and CD Burning On-Board
- Audio Output & External VGA Monitor + Mouse Expansion Options

Loading the Demo Song

To begin illustrating the above points, load the demo song that's pre-installed on the MV-8000's hard drive.

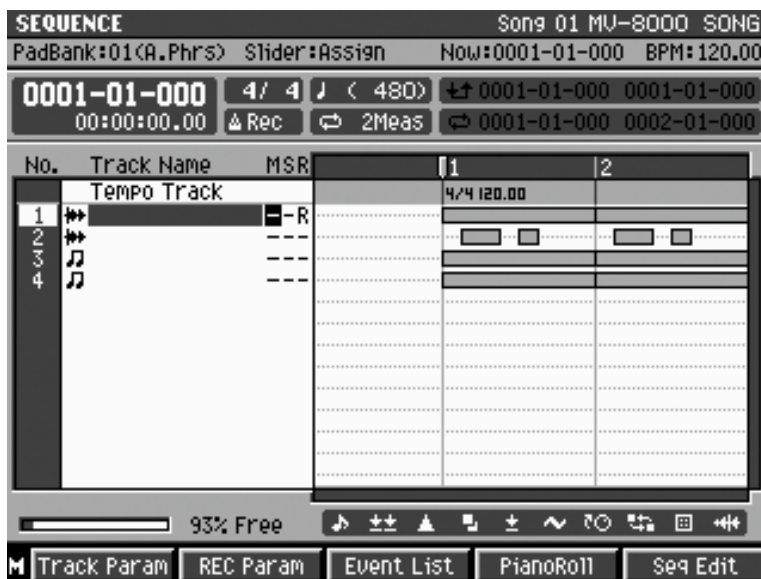
1. Press the PROJECT button.
2. Press the 3-button in the 10-key or use the CURSOR to select "LOAD PROJ", then press the ENTER button.
3. Use the CURSOR or VALUE dial to select "MVDEMO v2.0", then press F5 (EXECUTE). If asked "Reload current project?" press F5 (Yes). If asked "Save Current?" press F1 (No).



The demo song will load in 1 minute, giving you an opportunity to talk about the main specifications:

- The MV-8000 ships with 128Mb of RAM – expandable up to 512Mb with a standard PC100/133 DIMM. When max'ed, the MV-8000 can sample for 100 minutes mono.
- It also comes with an internal 40-gig hard drive, CD-R/RW Drive, and floppy drive.
- The sampler section can rip audio Cds, and import .wav/AIFF, S-700 patches, Akai MPC .SND, and ACID wav files. AKAI S-1000/3000 & MPC-2000 programs are supported in Version 2.0.
- The sequencer section can run up to 128 MIDI tracks and 8 stereo audio tracks -which allows a user to make a groove, arrange a song, and cut vocals all in the same machine.

When the Project load is complete, the MV-8000 will be on the SEQUENCE page. Consider this page as the main home screen. Pressing the SEQUENCE button will also take you to this screen.



Things to Show While the Song Plays

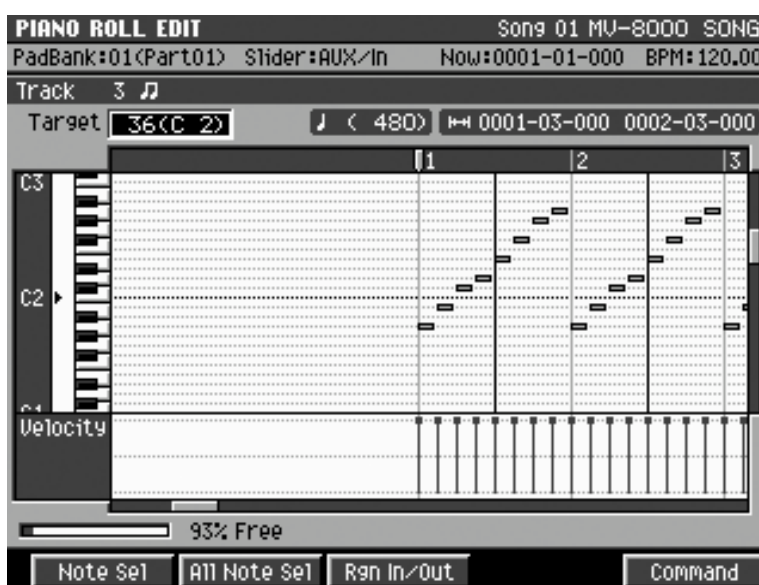
Pressing the PLAY button will start the song. Use the CURSOR buttons UP & DOWN to select the different tracks. Tracks with mini-waveform icons are audio tracks and tracks with notes are MIDI tracks. To solo a track, CURSOR RIGHT, then use the VALUE dial. To mute a track, CURSOR LEFT, then use the VALUE dial.

The MV-8000 also can store locator points so you can quickly jump to section in the demo song while it plays. Press the LOCATOR button, then use the 10-key to select a locator point.

As you listen to the demo play, look at the sequence screen and you'll notice a major difference between the MV-8000 and other machines of it's type. The MV-8000 has a scrolling playlist style sequencer like ProTools or Logic. This allows the audio tracks to flow along side the MIDI tracks and also makes editing much simpler. You don't have to jump back and forth between a pattern mode and a song mode to edit or record new parts. You're always recording, looping, or editing in the same place – the SEQUENCE page.

Another cool screen to show is the PIANO ROLL screen. This screen will graphically show the notes that are in a particular track. This screen also scrolls while the song plays.

1. Select TRACK 1 using the CURSOR UP button.
2. Press F4 (Piano Roll), then press Pad 1, Bank 1.
3. If you're not currently playing back the song, use the right MEASURE button to advance through the song to show the notes.
4. Press and hold SHIFT then CURSOR RIGHT to zoom in on the notes.
5. Pressing EXIT or SEQUENCE will return you to the SEQUENCE page.



2 Samplers in 1 Box

An Overview of the MV-8000 Sampling Engine

The sampling section of the MV-8000 actually has two sides – an INSTRUMENT side and an AUDIO PHRASES side. Instruments are sequenced on MIDI tracks and Audio Phrases are sequenced on Audio tracks.

The INSTRUMENT side is a 16-part multi-timbral sampler capable of creating or loading key-mapped drum kits, or multi-sample instruments like pianos or basses. Pressing the INSTRUMENT button will show the 16 instrument slots. Each instrument slot has 6 banks. (16 pads X 6 banks = 96 per instrument X 16 instruments = 1536 samples total)

INSTRUMENTS							
Part 01 ---: Init Patch							
PadBank:01(A.Phrs) Slider:AUX/In				Now:0001-01-000 BPM:120.00			
Part	Patch	M Lev	Pan	Cho	Rev	Output	VoRsv
1	---:Square Lead2	100	C	0	0	Partial	0
2	---:SH-101 Bass	100	C	0	0	Partial	0
3	---:SweepPad	100	C	0	0	Partial	0
4	---:Juno Sweep	100	C	0	0	Partial	0
5	---:ELECTRICITY	100	C	0	0	Partial	0
6	---:QuackyPfive	100	C	0	0	Partial	0
7	---:Stopper	100	C	0	0	Partial	0
8	---:Detune Saws	100	C	0	0	Partial	0
9	---:Warm SawLead	100	C	0	0	Partial	0
10	---:TR-909 Set	100	C	0	0	Partial	0
11	---:TR-M0X09 Kit	100	C	0	0	Partial	0
12	---:ElectraX Kit	100	C	0	0	Partial	0
13	---:TR-808 Set	100	C	0	0	Partial	0
14	---:ThunderBrass	100	C	0	0	Partial	0
15	---:BandSawM9	100	C	0	0	Partial	0
16	---:Fast Detune	100	C	0	0	Partial	0

M Instruments MIDI Filter Library Patch Edit

The AUDIO PHRASES side is powerful phrase-based sampler where drum loops or chunks of audio are managed. By pressing the AUDIO PHRASES button you'll see one bank of audio phrases. There are actually 32 banks of audio phrases. The AUDIO PHRASES side also allows for real-time time stretching. This will automatically BPM adjust the phrases or loops to the current song's tempo. The AUDIO PHRASES side also has the AUTO CHOP function so you can take loops, auto-chop them, and create drum kits for use on the INSTRUMENT side. (16 pads X 32 banks = 512 audio phrases)

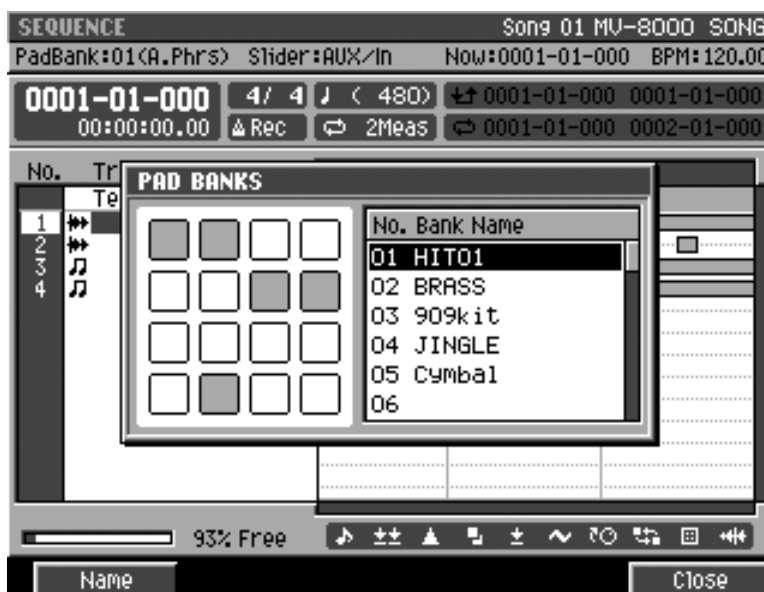
AUDIO PHRASE (PAD)				AUDIO PHRASE			
PadBank:01(A.Phrs) Slider:AUX/In				Now:0001-01-000 BPM:120.00			
Pad Bank 01 Bank							
13 E.Grp Off 7X0 TRIGGER GaragBs20601	14 E.Grp Off (no assign)	15 E.Grp Off (no assign)	16 E.Grp Off (no assign)				
9 E.Grp Off (no assign)	10 E.Grp Off (no assign)	11 E.Grp Off (no assign)	12 E.Grp Off (no assign)				
5 E.Grp Off 7X0 TRIGGER GaragBs20661	6 E.Grp Off (no assign)	7 E.Grp Off (no assign)	8 E.Grp Off (no assign)				
1 E.Grp Off 7X0 GATE GaragBs20601	2 E.Grp Off 7X0 GATE GaragBs20601	3 E.Grp Off 7X0 GATE Mini Square1	4 E.Grp Off (no assign)				
Pad				List			
				Edit			

Pad List Edit

The beauty of having both types is you can work with samples in either side depending on what you need to do. Samples can even be assigned to both sides simultaneously. A vocal hit could be assigned to a pad with other samples in a drum kit in the INSTRUMENT side and also be assigned to a pad on the AUDIO PHRASES side in order to perform a chop or time stretch.

Demonstrating the Sampling Section

To change banks in either side, press the PAD BANK button, then use the VALUE dial to change the bank. In the PAD BANK popup window, pads that are darkened have samples assigned to them. Press F5 (Close) to close the pad bank popup window.



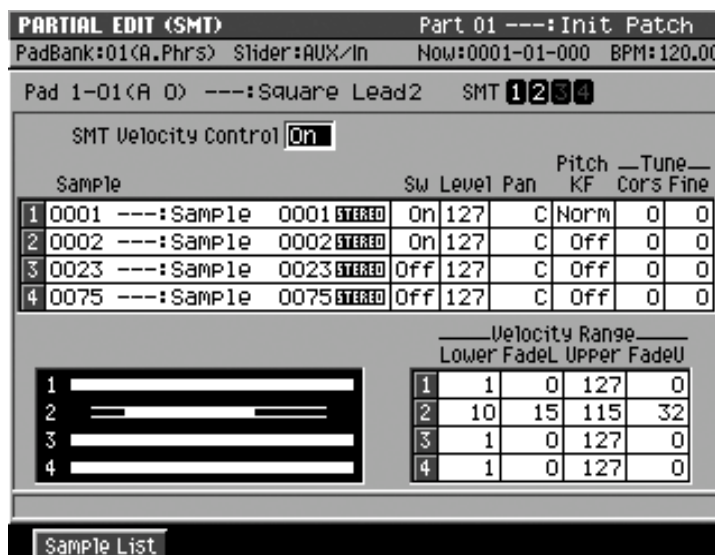
It is simple to get to the most important sampler-related parameters. All you do is play a sound on a pad, then press the QUICK EDIT button. Here are a few instrument editing tricks using the demo song:

1. From the SEQUENCE page, CURSOR UP to track 1. (Alternately, you could select an instrument or drum kit from the INSTRUMENT page.
2. Select Bank 1, then play PAD 2.
3. Press the QUICK EDIT button. On this page the level, tuning, fx sends, filter, and envelope can be adjusted for that single hit.



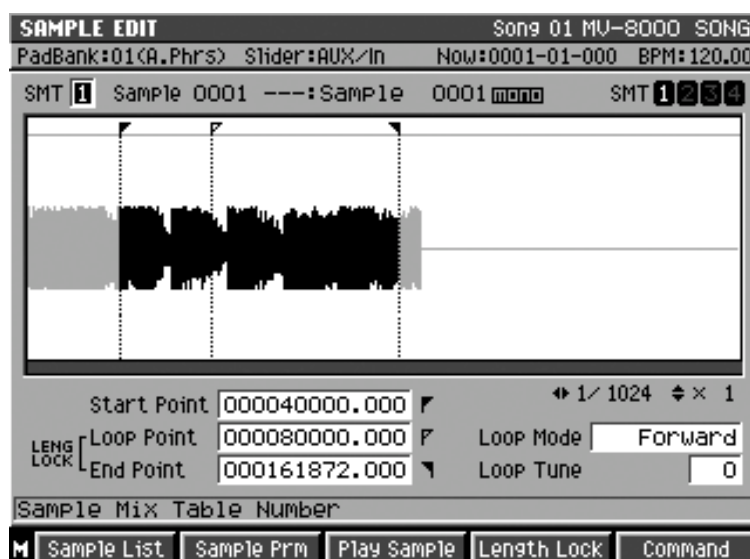
The MV-8000 can layer up to 4 samples per pad. This is done in the SMT page.
(SMT = Sample Mix Table)

1. From the same QUICK EDIT screen, press F2 (SMT).
2. 4 slots with independent level, pan, and tuning will show up. CURSOR to slot 3.
3. Press F1 to show a list of currently loaded samples that you can assign to layer under the first 2 samples. Press F4 to preview the samples, then F5 to select it.
4. Press EXIT to return to the quick edit page.



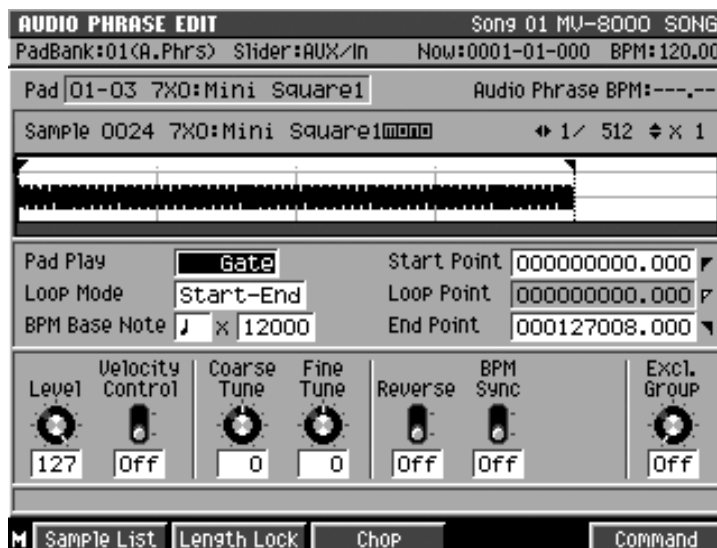
From the QUICK EDIT page you can also quickly get to the sample waveform editor – even while the song is playing back!

1. Play a desired pad, then hit the QUICK EDIT button
2. From the QUICK EDIT screen, press F1 (Sample Edit).
3. In the upper left corner of the screen you'll see the SMT layer number. Use the CURSOR and VALUE dial to select a layer number.
4. Use the CURSOR and VALUE dial to select and adjust the start, loop, and end points, as well as the loop mode and tuning.



For editing and adjusting AUDIO PHRASES, it is just as easy.

1. Press the AUDIO PHRASES button and select bank 1 “Song Phrases”.
2. Press Pad 1, then press QUICK EDIT. The audio phrases quick edit screen has level, pan, tuning, BPM adjust, and sample edit all in the same window. Use the CURSOR buttons and VALUE dial to make adjustments.



Sample chops can be performed right from this page.

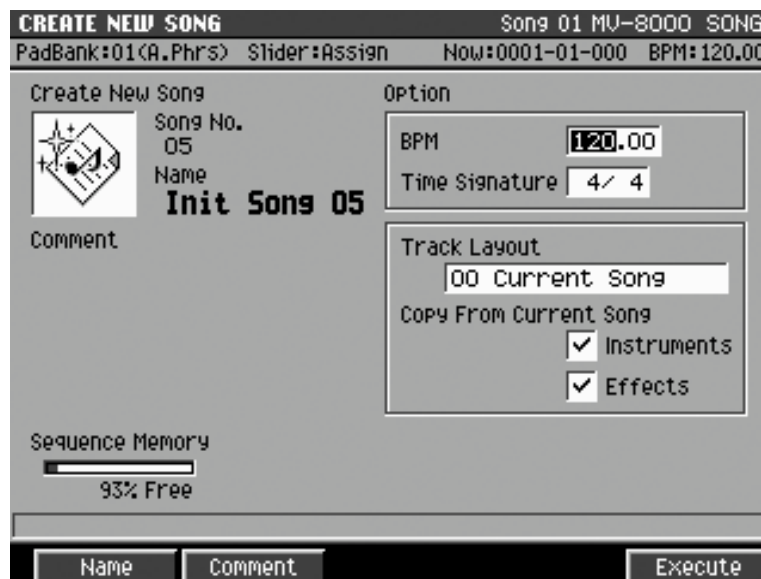
1. From the Audio Phrases Quick Edit screen, press F4 (Chop).
2. Press F3 for AUTO CHOP. There are multiple chop modes, but just press F5 for now.
3. Use the pad to audition the slices. You can also fine-tune the points.
4. Press F5 to create a new drum kit from the slices.
5. The next screen will allow you to assign the newly created drum kit of your chops to an instrument part. Choose part 16 using the CURSOR buttons and VALUE dial, then F5 (Execute).
6. Press the INSTRUMENT button, CURSOR to part 16, then try out the new kit.



Create a Groove

The quickest way to demonstrate sequencing on the MV-8000 is to create a new song, but copy the instruments, audio phrases, and effect settings from the current demo song. This will allow you to start recording immediately without having to load any new sounds.

1. Press the SETUP button located to the right of the SEQUENCE button.
2. Use the CURSOR buttons, 10-key, or VALUE dial to select "CREATE NEW SONG", then press ENTER.
3. In the next screen CURSOR to Track Layout and select "01 Very Simple". Leave Instruments and Effect boxes checked, then press F5 (Execute).



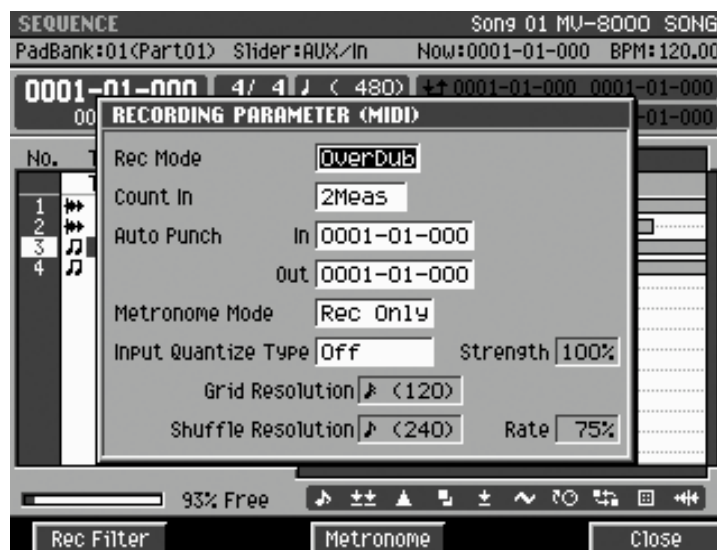
These steps have created a new song with 1 audio and 1 MIDI track at 100 BPM. Lets now create a few more MIDI tracks so we can put each sound in it's own track.

1. Select the MIDI track using the CURSOR buttons, then press the MENU button to the lower-left of the screen. A popup window with sequence functions will appear.
2. Select "2 Add MIDI Track" then press ENTER.
3. A new popup will appear asking the number of tracks you would like to create and what instrument / MIDI port would you like assigned to these new tracks. Select at least 5 tracks for now, then press F5 (Execute).



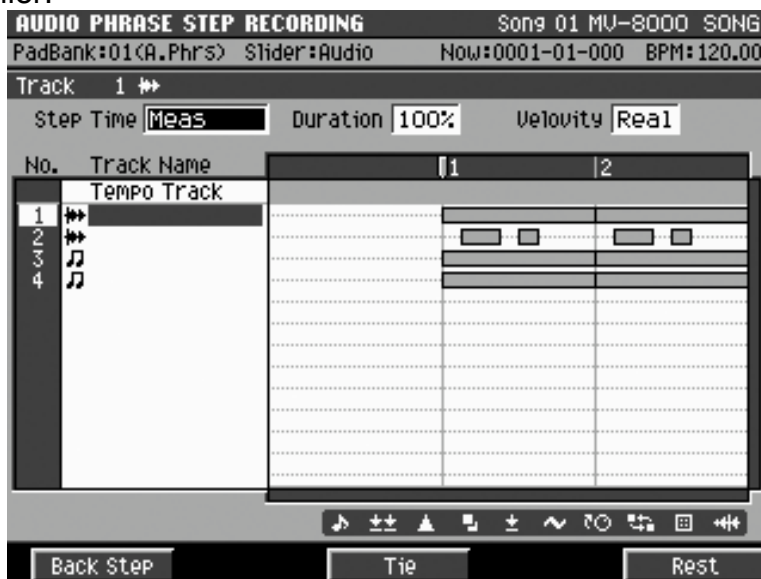
Now that we have our basic tracks set, we can go into record mode and begin laying down a drum groove. Remember, you do not have to stop the sequencer to audition sounds or switch tracks.

1. Press the LOOP ON button. This will create a 2-bar loop.
2. Make sure you have a MIDI track selected, then press the RECORD button. The Recording Parameters popup will appear. In this popup you can set things like recording mode, count-in, and input quantize.
3. CURSOR down to Input Quantize Type, then using the VALUE dial set it to Grid.
4. Press PLAY to begin recording. You will have an 8-beat count-in. Begin playing the pads after the 8 beats.
5. While in record mode, you can audition different pads by pressing the RECORD button. It will begin to blink. This tells you are in rehearsal mode. You can now try other sounds without the fear of recording unwanted sounds. You can even change tracks while in rehearsal mode in order to place different sounds on their own tracks. If possible, record the hihat on it's own MIDI track.
6. If you make a mistake and want to start over, press the UNDO button. If you want to erase a single sound while recording, press and hold the EVENT ERASE button and the pad you wish to erase as the sequencer loops.
7. Press STOP when you've completed your recording.



Now that we've done MIDI sequencing, we'll drop a loop from the Audio Phrase side of the sampler onto an audio tracks using Audio Phrase Step-Recording. Since the MV-8000 has auto BPM adjust, we don't need to worry about the loop's tempo. It will automatically match the song's tempo.

1. Select an Audio Track using the CURSOR, Then select Bank 1 "Song Phrases".
2. Press and hold the SHIFT button, then press RECORD. This puts the MV-8000 into Audio Phrase Step-Recording mode
3. Make sure the step time reads "Meas" meaning 1 measure, Duration "100%", and velocity "Real".
4. Press Pad 1 twice. This will place the loop onto the audio track for 2 repeats.
5. Press STOP, then TOP. Press PLAY to hear the loop layered over the drumbeat recorded earlier.



This is a good time to demonstrate the real-time time stretching of audio tracks.

1. While the sequence is looping, press the BPM/TAP button.
2. Use the VALUE dial to change the tempo up and down. Listen to the drum loop recorded on the audio track stay in time with the groove recorded on the MIDI tracks. This will even work with a vocal recorded on the audio track.
3. Press EXIT to close the Tempo popup window

Try Out the Patches on the Hard Drive

Roland has included many more sounds on the hard drive of the MV-8000. There are more drum kits, percussion sounds, synth patches, and keyboard sounds for you demo. Let's load a Moog bass. You can use the pads to play a bass line.

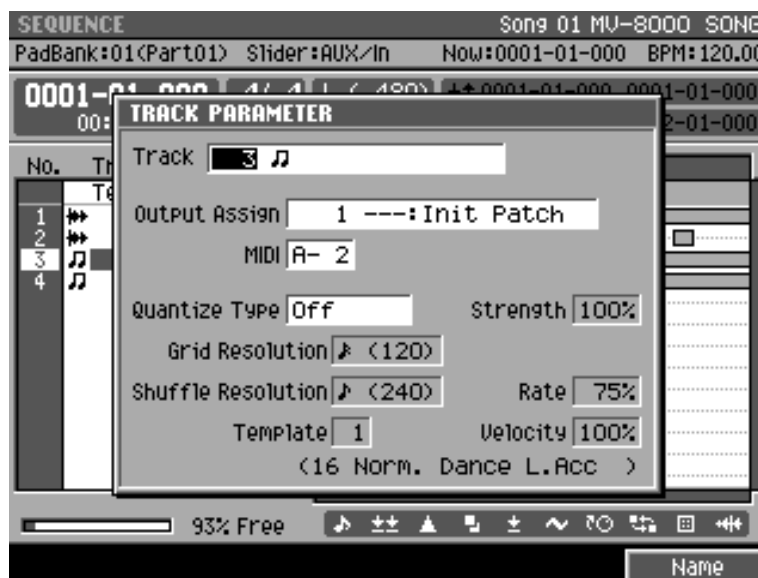
1. Press the INSTRUMENT button, then use the CURSOR buttons to select an empty instrument part. (Part 13 is a good candidate)
2. Press the MENU button, select "2 Load Patch", then press ENTER
3. Cursor down to the PATCHES FOLDER, then RIGHT CURSOR to open the folder.
4. Select the BASS folder, then CURSOR RIGHT to open the BASS folder.
5. Select "CompJBass", then press F5 (Execute).
6. Press the INSTRUMENT then play the pads to hear the bass sound.

More Sequencer Functions

The Track Parameter Popup Screen

When new MIDI tracks are created, you are asked for the instrument assignment of these new tracks. This can be changed afterwards by accessing each track's parameter popup window. This way you can assign newly loaded sounds to existing MIDI tracks.

1. Press the SEQUENCE button.
2. Select an unused MIDI track, then press F1 (Track Param).
3. Cursor down to the Output Assign parameter, then use the VALUE dial to change the instrument assigned to that track.
4. Press EXIT to close the popup window. Play the pads to hear the newly assigned instrument.



An incredibly powerful feature also found in the Track Parameter popup is the Playback Quantize function. This allows for non-destructive quantize settings of MIDI tracks. There is standard GRID with a % strength parameter, SHUFFLE, and 71 different groove templates like pushed feels, fusion, reggae, pop, and Latin. You can flip through all of them while the track plays in order to dial in the feel of a track.

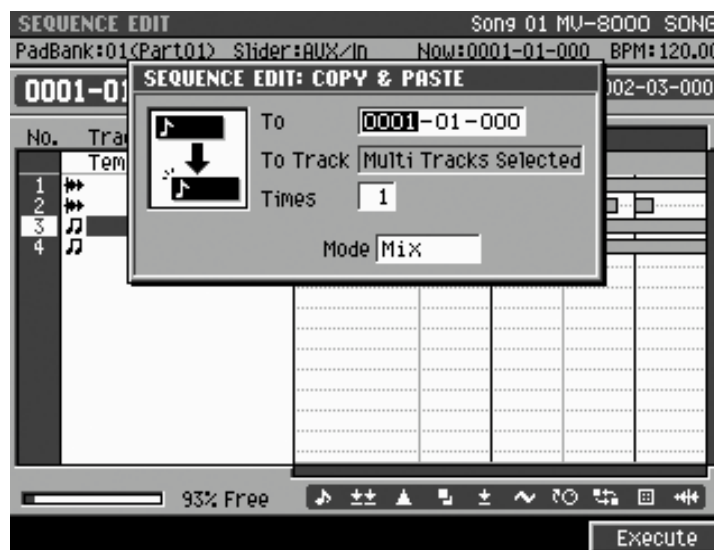
1. Press the SEQUENCE button.
2. Select a MIDI track containing a drum recording – preferably a hi-hat or shaker, then Press F1 (Track Param).
3. Cursor down to Quantize Type, then using the VALUE dial select “Grid”, then “Shuffle”, then “Template”. Leave it on “Template”, then cursor down to Template.
4. Use the VALUE dial to try out the different groove templates.

Sequence Editing

Since the MV-8000 is a linear sequencer, we’ll use cut and paste to make the sequence run for more than 2 measures. This is done in the Sequence Edit page. Perform this simple edit to demo sequence editing.

1. Press the SEQUENCE button, then F5 to enter the Sequence Edit page.
2. Press the TOP button to place the sequencer at the beginning of the groove.
3. Press F2 to select all tracks
4. Press F3 to mark the edit region in point, then press the MEASURE >> button twice to highlight the 2 measures of sequence data.
5. Press F3 again to mark the edit region out point.

6. Press F5 to bring up the sequence edit command popup, select "2 Copy & Paste", then press ENTER.
7. The Copy & Paste popup will appear. Don't change the "To" value but cursor down to "Times" and set it to 7.
8. Press EXIT, TOP, then turn loop off. Press PLAY to hear the 16-measure sequence.



Mixdown and Mastering

The MV-8000 can take all the sound it's producing, mix it with any signal that is coming in at the inputs (external modules/synths) and create a 2-track wav file that can then be mastered with the MV-8000's multi-band mastering tool kit. The MV-8000 will also burn an audio CD from that file. Audio Cds created on the MV-8000 can also be professionally duplicated. Here are the steps to make a mixdown and demo the Mastering Tool Kit using the 16-measure groove created earlier.

1. Press the SEQUENCE button, then press TOP to put the MV-8000 at the beginning of the demonstration groove created earlier. If possible, raise the Master to MAX.
2. Press the MASTERING button, select MIXDOWN, press ENTER, then F5 to confirm.
3. Press RECORD, F5, then PLAY. The song will begin to play. A mixdown file is being created while the sequence plays.
4. Press STOP when the sequence ends. You'll be asked to go directly to Mastering.
5. Press F5 to enter the Mastering Tool Kit. Press PLAY to run the mix through the Mastering processor.
6. You can select different mastering presets by pressing F2 (MTK Library), then use the VALUE dial to select a preset. Press F5 to use the selected preset.

The Mixdown Mode can also turn the MV-8000 into a stand-alone Audio CD recorder. Just go into mixdown mode, feed a signal to the inputs, then press RECORD then PLAY. The MV-8000 will make a 2-track file that can be mastered and burned even when no sound was created by the MV-8000 itself!

